

**Abstract**

**Dynamic bandwidth allocation for variable  
bit rate streaming data**

For a connection of a network requiring a certain quality of service (QoS), i.e. a QoS connection, generally a fixed amount of bandwidth is allocated. In prior art networks this fixed amount of bandwidth cannot be used by other connections.

- 5 Therefore, in case the QoS connection does not require all of the allocated fixed amount of bandwidth, bandwidth may be wasted. The present invention provides a method that enables the use of bandwidth, that is currently not used by a QoS connection. This currently unused bandwidth is temporarily freed, such that other connections may use this freed bandwidth. In case all or parts of the freed
- 10 bandwidth is needed again by the connection, the bandwidth is re-allocated to the connection immediately.

(Fig. 5)